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ABSTRACT OF THE DISCLOSURE

Conduction reliability between a capacitor upper electrode and a plug connected to an upper layer wire is kept high to prevent connection defects and to
5 reduce the resistance of the capacitor upper electrode. In a capacitor of a DRAM comprising a lower electrode 45 made of ruthenium, a capacitor insulating film 50 made of BST and an upper electrode
10 49, the upper electrode 49 has a laminate structure comprising a ruthenium film 47 formed on the side of the capacitor insulating film 50 and a tungsten film 48 formed over the former.

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